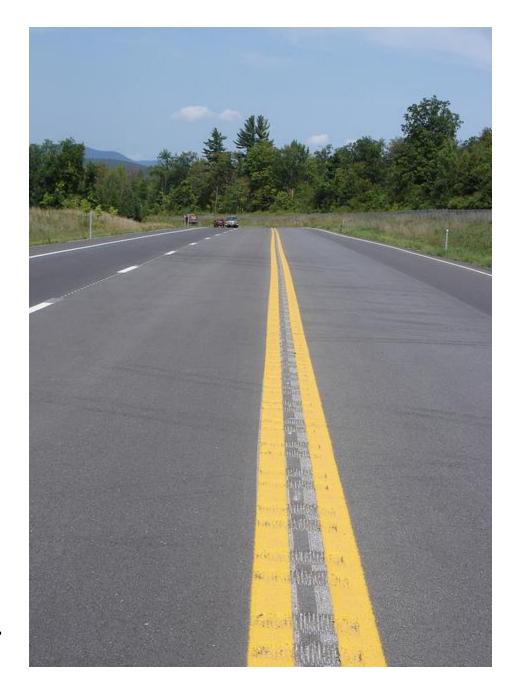
# Centerline Rumble Stripe Update

House Transportation Committee January 9, 2014

Agency of Transportation Highway Safety & Design

Ken Robie, Program Mgr. Bruce Nyquist, Asst. Prog. Mgr.



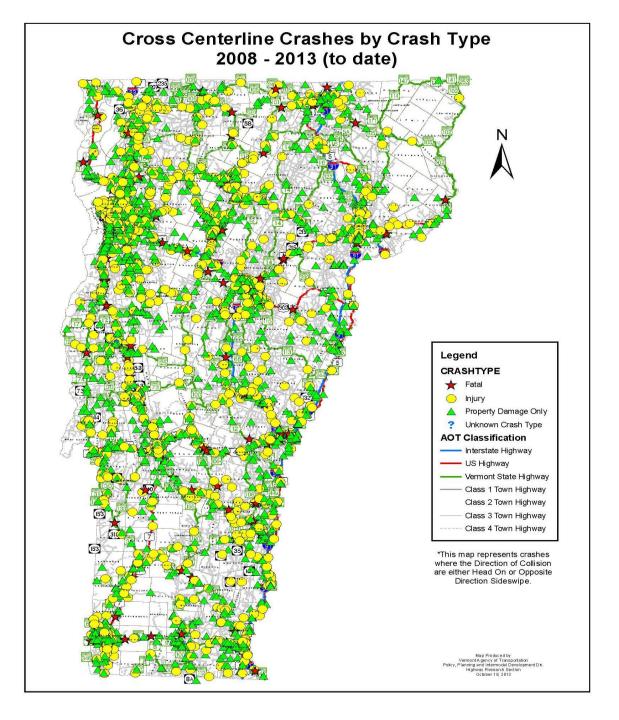
## Centerline Rumble Stripes...

- Reduce head-on and opposite direction sideswipe crashes
- Reduce run-off-road crashes where vehicles cross centerline
- Reduce lane drift due to distracted/fatigued driving
- Reduce speed and off-tracking on curves
- Improve centerline visibility in wet pavement conditions
- Provide enhanced guidance in fog and snow

5851 Crashes

94 Fatalities

1320 Injuries



## **Current CLRS Locations**

	TOTA	86.05 miles	
•	Fair Haven	US 4	<u>0.12 miles</u>
•	Woodstock - Hartford	US 4	9.22 miles
•	Cambridge - Fairfax	VT 104	2.00 miles
•	St. Johnsbury - Guildhall	US 2	21.74 miles
•	Bennington - Manchester	US 7	19.35 miles
•	Sheldon - Enosburg	VT 105	9.49 miles
•	Mendon - Killington	US 4	6.73 miles
•	Marlboro – Brattleboro*	VT 9	9.30 miles
•	Brandon – Middlebury	US 7	10.10 miles

<sup>\*</sup>Some of the Brattleboro mileage was lost due to Irene damage.

## **Before and After Crash Data**

25% Fewer Crashes

35% Fewer Injury Crashes

Centerline Rumble Strips Projects Year Total # Total #						
Installed	Town	Route	Before Crashes	After Crashe		
nstalled	Town	Route	before Crasnes	After Crashe		
2013	Woodstock	US 4	3	tbd		
2013	Hartland	US 4	0	tbd		
2013	Hartford	US 4	3	tbd		
2013	Hartford	US 4	1	tbd		
2013	Hartford	US 4	8	tbd		
2013	Hartford	US 4	4	tbd		
2013	Hartford	US 4	4	tbd		
2013	Hartford US 4 1		tbd			
2015	TIGITO G	021	21.00	tbd		
2012	St. Johnsbury	US 2	1	0		
2012	St. Johnsbury	US 2	3	0		
2012	St. Johnsbury	US 2	0	1		
2012	St. Johnsbury	US 2	0	2		
2012	Kirby	US 2	0	1		
2012	Concord	US 2	1	4		
2012	Concord	US 2	4	6		
2012	Lunenburg	US 2	2	0		
2012	Lunenburg	US 2	5	3		
2012	Guildhall	US 2	0	0		
			16	17		
2012	Bennington	US 7	1	0		
2012	Shaftsbury	US 7	5	0		
2012	Glastenbury	US 7	1	0		
2012	Sunderland	US 7	4	1		
2012	Manchester	US 7	1	1		
			12	2		
2011	Brandon	US 7	4	2		
2011	Leicester	US 7	1	3		
2011	Leicester	US 7	2	0		
2011	Salisbury			11		
2011	Middlebury	US 7	11	4		
			30	20		
2011	Fair Haven	US 4	3	0		
2011	Tuli Tiuvell	03.4	3	0		
2010	Sheldon	VT 105	25	47		
2010	Enosburg	VT 105	2	4		
2010	Litosburg	71100	27	51		
2010	Marlboro	VT 9	67	58		
2010	Brattleboro	VT 9	9 76	13 71		
2009	Mendon	US 4	64	28		
2009	Killington	US 4	25	17		
			89	45		
			274.00	206.00		

## **CLRS Considered Where...**

- Pavement width is 28 feet or greater
- Speed limit is 45 mph or higher
- Average Daily Traffic is 1500 vehicles per day or greater
- The above criteria are not met, but the crash history indicates a pattern of head on, sideswipe, or single vehicle crashes.

#### **CLRS Discontinued Where...**

- Centerline breaks are provided (ie, for intersections and railroad crossings).
- Closely spaced residences are within 50 feet of centerline (to mitigate noise).
- Raised medians are provided (engineering judgment should be used for painted medians).
- Two way left turn lanes (TWTL) are provided.
- Closely spaced commercial drives with high volume turning traffic.
- Bridges where the curb to curb width is less than 28 feet.
- Bridges or concrete roadways with less than 2.5" of bituminous pavement overlay.

### **Outreach**

- VTrans Maintenance District
- Regional Planning Commission
- Municipal Staff and/or Select Board
- Legislators
- Law Enforcement